RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/814,858*
Source: *FWO*
Date Processed by STIC: *10/25/04*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing <u>Error Summary</u>

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: 10/814,858

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
       Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .); this will
                prevent "wrapping."

2 _____ Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
       Numbering   use space characters, instead.

4 _____ Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
                ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length   Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules,
                each n or Xaa can only represent a single residue. Please present the maximum number of each
                residue having variable length and indicate in the <220>-<223> section that some may be missing

6 _____ PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
       "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
                previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
                the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
                Artificial or Unknown sequences.

7 _____ Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
       (OLD RULES)   (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
                (i)   SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
                (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
                This sequence is intentionally skipped

                Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences

8 _____ Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
       (NEW RULES)   <210> sequence id number
                <400> sequence id number
                000

9 _____ Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing
       (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present
                In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents

10 _____ Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or
       Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
                is Artificial Sequence

11 _____ Use of <220>   Use of <u>220</u> to <u>223</u> is <u>MANDATORY</u> if <213> "<u>Organism</u>" response is "Artificial Sequence" or
                "<u>Unknown</u>." Please explain source of genetic material in <220> to <223> section.
                (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
       "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
                listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa   "n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u>

AMC – Biotechnology Systems Branch – 09/09/2003

IFWO

RAW SEQUENCE LISTING   DATE: 10/25/2004
PATENT APPLICATION: **US/10/814,858**   TIME: 14:09:19

Input Set : **A:\U 0151259.ST25.txt**
Output Set: **N:\CRF4\10252004\J814858.raw**

```
 3 <110> APPLICANT: Tuli, Rakesh
 4        Vishwanath, Sawant Samir
 5        Chaturvedi, Chandra Prakash
 6        Kiran, Kanti
 7        Mehrotra, Rajesh
 9 <120> TITLE OF INVENTION: ARTIFICIAL BIDIRECTIONAL PROMOTER FOR ACTIVATION OF GENE
10        EXPRESSION
12 <130> FILE REFERENCE: U 015125-9
14 <140> CURRENT APPLICATION NUMBER: 10/814,858
15 <141> CURRENT FILING DATE: 2004-03-31
17 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 312
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial
26 <220> FEATURE:
27 <223> OTHER INFORMATION: This sequence was artifically designed.
29 <400> SEQUENCE: 1
30 gtcgaccatc atttgaaagg gcctcggtaa taccattgtg gaaaaagttg gtaatacgga    60
32 aaaagaagat tcatcatcca gaaaaggtgt ggaaaagttg tggattgcgt ggaaaaagtt   120
34 cgatctgacc atctctagat cgtggaaaaa gttcacgtta gcgcttacgt acatatgtgg   180
36 attgtggaaa aagaagacgg aggcatcggt ggaaaaagaa gcttgtacgc tgtacgctga   240
38 cgatagatag atacacgtgc acgcgtccac ttgacgcaca attgacgcac aatgacgcca   300
40 cttgacgcta ct                                                       312
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 130
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial
48 <220> FEATURE:
49 <223> OTHER INFORMATION: This sequence was artifically designed.
51 <400> SEQUENCE: 2
52 tcactatata taggaagttc atttcatttg gaatggacac gtgttgtcat ttctcaacaa    60
54 ttaccaacaa caacaaacaa caaacaacat tatacaatta ctatttacaa ttacatctag   120
56 ataaacaatg                                                          130
```

[Handwritten annotations:] Please explain source of genetic material. (PS.1) — Does Not Comply — Corrected Diskette Needed — Invalid Response — Please explain source of genetic material. — Invalid Response — Pls refer to item #11 on error summary sheet.

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/25/2004
PATENT APPLICATION: US/10/814,858   TIME: 14:09:20

Input Set : A:\U 0151259.ST25.txt
Output Set: N:\CRF4\10252004\J814858.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/814,858**

DATE: 10/25/2004
TIME: 14:09:20

Input Set : **A:\U 0151259.ST25.txt**
Output Set: **N:\CRF4\10252004\J814858.raw**